

REMARKS

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Office Action dated April 27, 2009 has been received and its contents carefully reviewed.

Claims 1, 8, 11, 24 and 25 are objected to because of the following informalities: The phrase “--- wherein an area...that than of the reflection region” should be changed to recite “---wherein an area...than that of the reflection region”. Further, the phrases “a common electrode formed on the back matrix...” should be changed to recite “ a common electrode formed on the black matrix...” Further, claims 1, 8, 11, 24 and 25 also all recite “light emitted from the backlight transmits the common electrode and the color ---”. Further, “providing” in claim 8 is not part of the method for driving it. Further, claims 1-2, 5-7, and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ha et al. (US 2003/0160920) in view of Ozawa et al. (US 2006/0152658) and further in view of Kubota et al. (US 2002/171792) and Yamazaki et al. (US 7,262,754). Further, claims 4, 8, 11, 13-15, 19 and 21-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ha et al. (US 2003/0160920) in view of Ozawa et al. (US 2006/0152658) and further in view of Kubota et al. (US 2002/171792) and Yamazaki et al. (US 7,262,754) and Kodama et al. (US 6,642,916).

Claims 1, 8, 11, 24 and 25 have been amended to more particularly point out and distinctly claim the subject matter which the Applicant regards as the invention. Further, claim 5 has been cancelled. Accordingly, claims 1, 2, 4, 6-8, 11, 13-15, 19 and 21-25 are presently pending.

Claims 1, 8, 11, 24 and 25 are amended in the above amended claims. Accordingly, the Applicant respectfully requests that claims objections be withdrawn.

Claims 1, 2, 4-8, 11, 13-15, 19 and 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ha et al. (US 2003/0160920) in view of Ozawa et al. (US 2006/0152658) and further in view of Kubota et al. (US 2002/171792) and Yamazaki et al. (US 7,262,754) and Kodama et al. (US 6,642,916). Applicant respectfully traverses this rejection as being based on references that neither describes nor suggests the features now recited in amended independent claims 1, 8, 11, 24 and 25, as amended. For example, independent amended claim 1 now recites, features, “a liquid crystal display panel with a TFT array substrate having a plurality of data and gate lines defining a plurality of pixels, a color filter substrate

and a liquid crystal layer interposed therebetween, and having the pixels having a reflection region and a transmission region, wherein an area of the transmission region is smaller than that of the reflection region to obtain an uniform brightness throughout the liquid crystal display by the high brightness of red, green, and blue emitting diodes; color filter layers formed on portions of the color filter substrate corresponding to the reflection region except for the transmission region.” In particular, the claimed invention is featured in that “wherein an area of the transmission region is smaller than that of the reflection region to obtain an uniform brightness throughout the liquid crystal display by the high brightness of red, green, and blue emitting diodes; and color filter layers formed on portions of the color filter substrate corresponding to the reflection region except for the transmission region” as recited in amended claim 1.

In the contrast to the presently claimed invention, Ha et al. discloses that a color filter 17 corresponds to the opening of the black matrix 16 is formed on the black matrix 16, and the color filter 17 corresponds to each pixel area “P”. That is, the color filter 17 of Ha et al. corresponds to the reflective region A and the transmissive region B as recited in a paragraph [0012] and Fig. 1. But, the color filter layers of the claimed invention are formed on portions of the color filter substrate corresponding to the reflection region except for the transmission region. Further, Kubota et al. discloses that when the ratio of the size of the reflective display region to the size of the transmissive display region is set to 0.1-0.6, it is possible to display high brightness images both in the reflective display mode and in the transmissive display mode as recited in a paragraph [0092]. That is, the size of the reflective display region of Kubota et al. is smaller than that of the transmissive display region. But, an area of the transmission region of the claimed invention is smaller than that of the reflection region to obtain an uniform brightness throughout the liquid crystal display by the high brightness of red, green, and blue emitting diodes as recited in amended claim 1. Accordingly, Kubota et al. differs from the claimed invention in view that an area of the transmission region of the claimed invention is smaller than that of the reflection region as recited in amended claim 1.

Applicant respectfully submits that Ha et al. in view of Kubota et al. fail to teach or suggest “an area of the transmission region is smaller than that of the reflection region to obtain an uniform brightness throughout the liquid crystal display by the high brightness of red, green, and blue emitting diodes; and color filter layers formed on portions of the color filter substrate corresponding to the reflection region except for the transmission region” as recited in amended independent claim 1.

Thus, Applicant respectfully asserts that Ha et al. in view of Ozawa et al. and further in view of Kubota et al. and Yamazaki et al. and Kodama et al. do not teach or suggest each and every feature recited in independent claim 1, as amended.

For at least the above reasons, Ha et al. in view of Ozawa et al. and further in view of Kubota et al. and Yamazaki et al. and Kodama et al. fail to describe or suggest each and every feature recited in independent claims 1, 8, 11, 24 and 25, as amended. Accordingly, Applicant respectfully requests that the 35 U.S.C. 103(a) rejections of independent claims 1, 8, 11, 24 and 25, as amended, be withdrawn. Further, Applicant respectfully requests that the 35 U.S.C. 103(a) rejections of dependent claims 2, 4, 6-7, 13-15, 19 and 21-23 be withdrawn at least because of their dependence on independent claims 1 and 11, and for additional features that they recite.

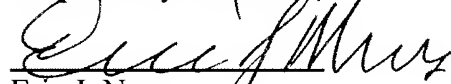
Applicants believe the application is in condition for allowance and early, favorable action is respectfully solicited.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911.

Dated: July 27, 2009

Respectfully submitted,



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